

REMARKS

In response to an Office Action mailed on September 10, 2004, Applicant respectfully requests that the above-listed Amendments be entered and the Application be reconsidered. With entry of the above-listed Amendments, claims 1, 5 and 6 are amended and claims 2-4 and 7-8 are canceled. Thus, three claims are presented for examination. Of these, claim 1 is independent, and the remaining claims are dependent.

The Examiner objected to Fig. 4, because only that which is old is illustrated. Fig. 4 has been amended to add the legend "Prior Art."

The Specification is amended to correct minor grammatical, spelling and translation errors. No new matter is added.

Claim 1 is amended to change the term "leads" to "lead-in wires," because the term "lead-in wire" is a term of art in the relevant field of technology. However, no narrowing of the scope of the claims intended by this amendment.

The Examiner rejected claims 1, 2, 4 and 6 under 35 USC 102(b) as being anticipated by Japanese Patent No. JP-60-098,687 to Inoue ("Inoue"). Inoue discloses a light emitting diode (LED) semiconductor device having axial leads 22a and 22b (Fig.2). Inoue's LED is designed to be mounted on a printed circuit board by extending each of the axial leads 22a and 22b through a respective through-hole in the circuit board and soldering the lead to a conductive trace on the printed circuit board.

The present invention is a glass-sealed LED suitable for surface mounting on a printed circuit board. The surface mounted LED of the present invention does not include axial leads and, thus, does not require through-holes in the circuit board.

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AMENDMENT TO THE DRAWINGS

Please amend Fig. 4 according to the attached proposed drawing changes, which are marked in red ink. Fig. 4 is amended to add the legend "Prior Art."

Claim 1 has been amended to recite "a pair of metallic members, each defining a hole through the center thereof ... wherein each said metallic member is separately secured at a respective end of said glass encapsulation and each said lead-in wire extends from said glass encapsulation, into said hole in a respective one of said metallic members." (Emphasis added.) Inoue does not disclose a pair of metallic members, each defining a hole through the center thereof and separately secured at a respective end of a glass encapsulation, as recited in claim 1. Furthermore, Inoue does not disclose a pair of lead-in wires, each of which extends from the glass encapsulation into the hole in a respective one of the metallic members, as recited in claim 1. Thus, Inoue does not disclose all the elements of amended claim 1.

No art of record, either alone or in combination, discloses or suggests a glass-encapsulated light-emitting diode, as recited in amended claim 1. For at least this reason, claim 1 is believed to be allowable. Claims 5 and 6 are dependent directly or indirectly from claim 1. Claims 5 and 6 are, therefore, believed to be allowable, for at least the reasons discussed above with respect to claim 1.

For all the foregoing reasons, it is respectfully submitted that the present Application is in a condition for allowance, and such action is earnestly solicited. The Examiner is encouraged to telephone the undersigned attorney to discuss any matter that would expedite allowance of the present Application.

Respectfully submitted,

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